Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/09/2015 10:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124255	-1	5.61	124070	5.48
Blue	F	SSC	125000	124752	-1	3.39	125679	3.28
Blue	E	FITC	17224	17014	-2	2.87	959	9.79
Blue	D	PE	22462	22163	-2	2.37	999	8.87
Blue	B	PerCP-Cy5-5	63940	63260	-2	3.17	1662	14.33
Blue	A	PE-Cy7	72480	71493	-2	4.26	926	27.78
Red	C	APC	63778	63308	-1	2.55	3583	8.06
Red	A	APC-Cy7	97254	95845	-2	2.61	1908	7.98
Violet	B	V450	10730	10449	-3	3.53	650	8.54
Violet	A	V500	42147	41671	-2	3.14	2353	6.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18786	30.18	625	5	N/A	N/A	Pass
Blue	F	SSC	62265	2.14	531	4	N/A	N/A	Pass
Blue	E	FITC	104	38.31	541	2	0.0213	189	Pass
Blue	D	PE	206	26.96	534	2	0.1516	174	Pass
Blue	B	PerCP-Cy5-5	199	42.73	619	5	0.0095	0	Pass
Blue	A	PE-Cy7	66	114.45	678	5	0.0120	15	Pass
Red	C	APC	334	26.39	585	1	0.0215	30	Pass
Red	A	APC-Cy7	118	37.74	565	0	0.0047	618	Pass
Violet	B	V450	69	46.33	473	-1	0.0425	2227	Pass
Violet	A	V500	153	24.36	503	0	0.0129	520	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.03	-30.74	0.72
Blue	20.46	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.17
Red	14.97	13.09 - 19.63	N/A	N/A	31.31	31.47	1.08

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 9668

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments